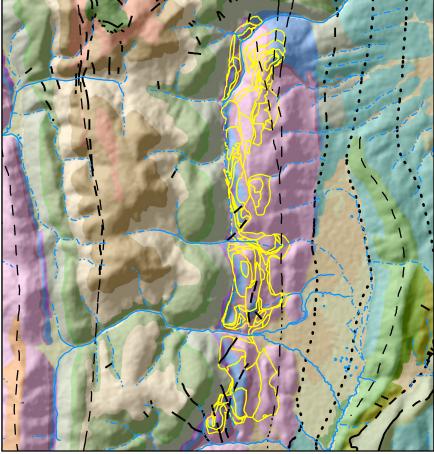


# **EXPLANATION FOR GEOLOGIC MAP**

# **Geologic Map Units and Symbols**

Age	Formation	Map Symbol	Description
Quaternary		Qt	Travertine
		Qc	Colluvium
		Qal	Alluvium
Tertiary	Salt Lake	Tsl	Salt Lake Formation
	Unconformity		
Jurassic	Nugget Sandstone	Jn	Nugget Sandstone
Triassic		Trtpu	Upper Portneuf Limestone Member
		Tral	Ankareh Formation - Lane Tongue
		Trtpl	Lower Portenuf Limestone Member
	Thaynes	Trtc	Thaynes C Member
		Trtb	Thaynes B Member
		Trta	Thaynes A Member
	Dinwoody	Trdu	Upper Dinwoody Formation
	Woodside	Trw	Woodside Formation
	Dinwoody	Trdl	Lower Dinwoody Formation
Permian		Ррс	Cherty Shale Member
	Phosphoria	Ppr	Rex Chert Member
		Ppm	Meade Peak Member
Pennsylvanian/Permian	Park City & Wells	Ppwu	Grandeur Member of Park City Formation and Upper Wells Formation
	Wells	Ppwl	Lower Wells Formation



# **Geologic Map Symbols**

Contact (Dashed where inferred, dotted where buried)

Normal Fault (Dashed where inferred, dotted where buried)

Thrust Fault (Dashed where • inferred, dotted where buried)

-Syncline Axis

-Anticline Axis

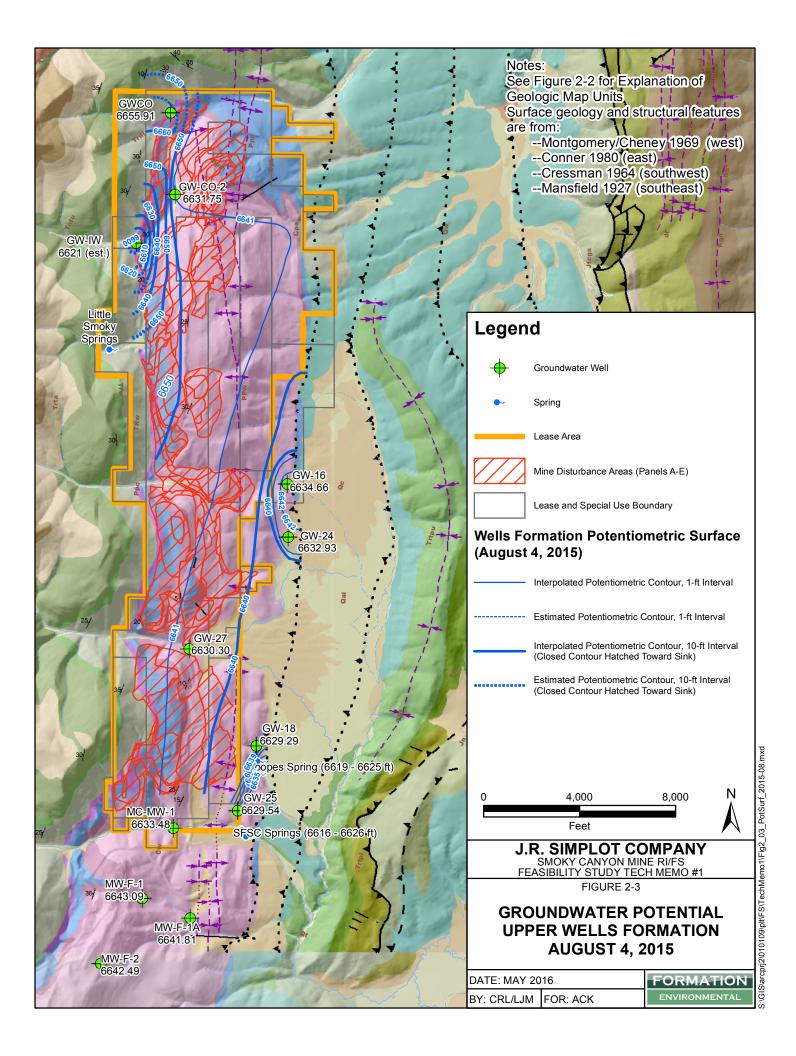
J.R. SIMPLOT COMPANY

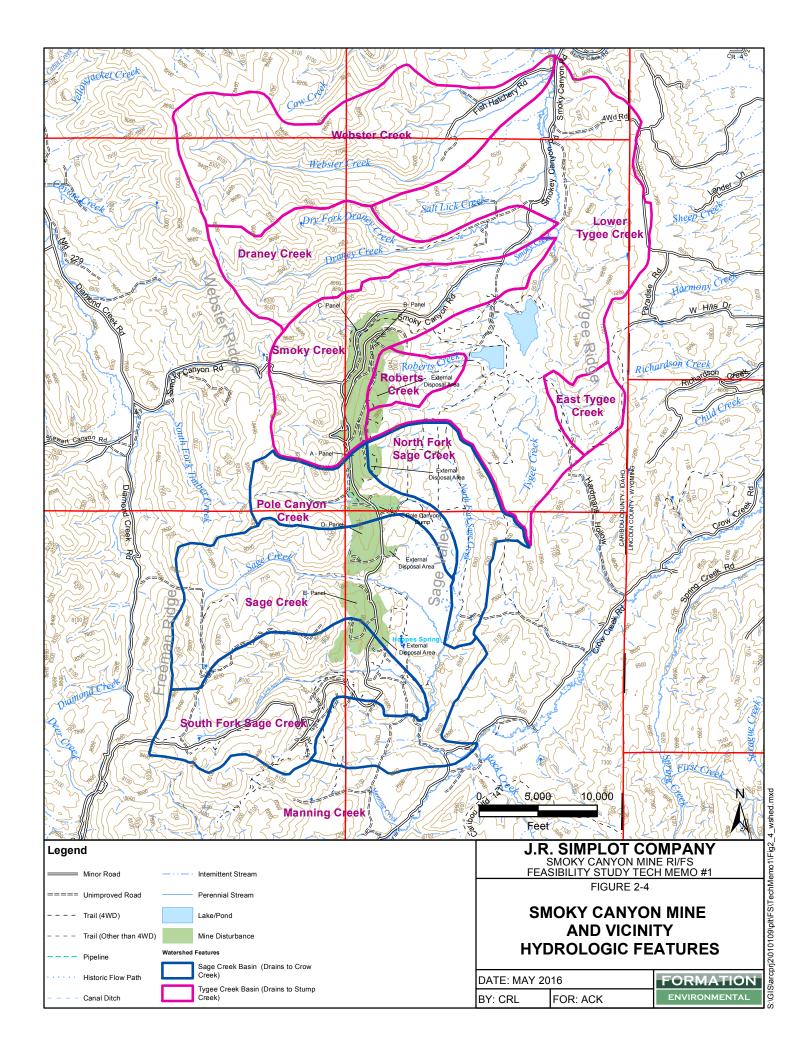
SMOKY CANYON MINE RIFS
FEASIBILITY STUDY TECH MEMO #1

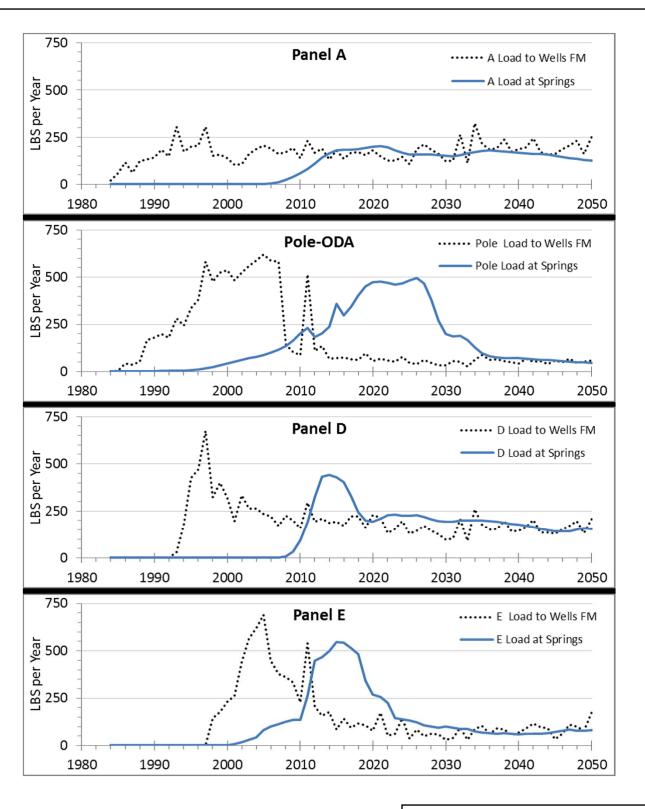
FIGURE 2-2

# **EXPLANATION FOR GEOLOGIC MAP**

DATE: MAY 2016		FORMATION
DV: CDI	EOD: VCK	ENVIRONMENTAL







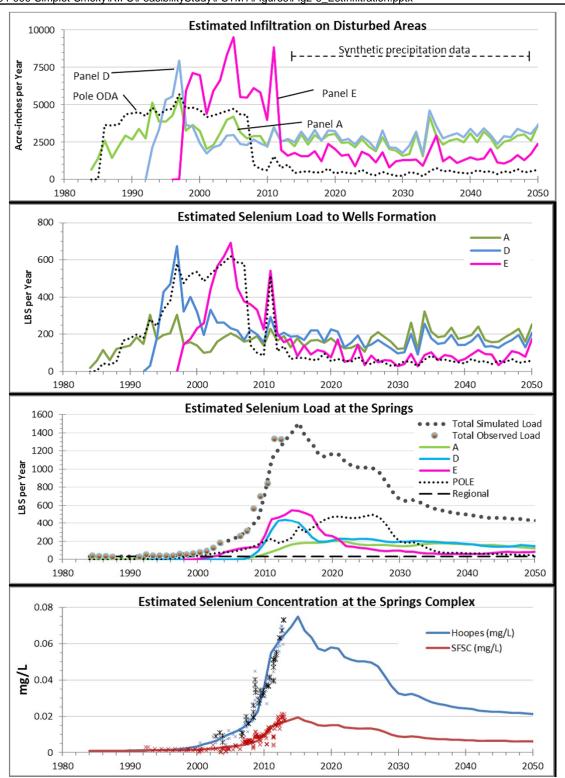
### J.R. SIMPLOT COMPANY

SMOKY CANYON MINE RI/FS FEASIBILITY STUDY TECH MEMO #1

FIGURE 2-5

ESTIMATED SELENIUM MASS LOAD TO THE WELLS FORMATION AND ARRIVAL AT SPRINGS COMPLEX FOR EACH SOURCE AREA

DATE: APR	IL 2016	FORMATION
BY: PHT	FOR: ACK	ENVIRONMENTAL



## J.R. SIMPLOT COMPANY

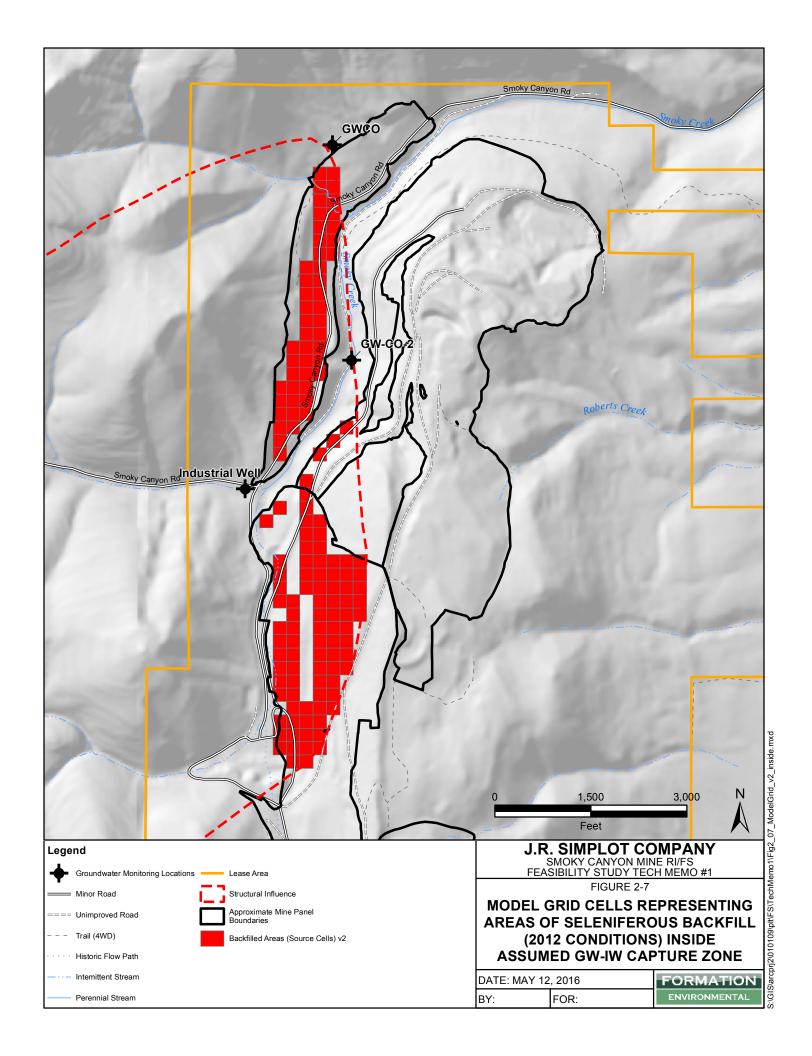
SMOKY CANYON MINE RI/FS FEASIBILITY STUDY TECH MEMO #1

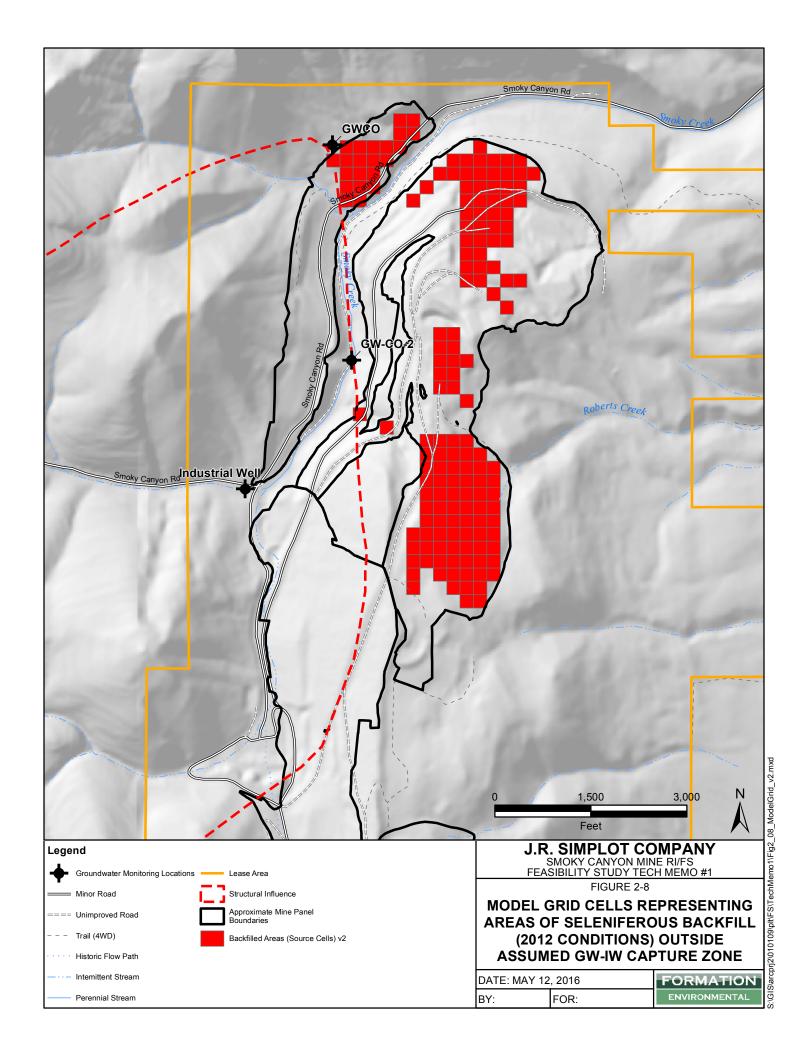
FIGURE 2-6

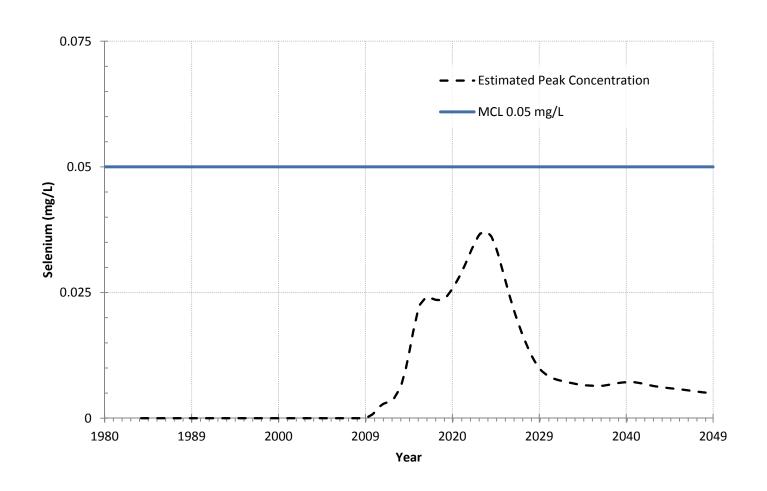
ESTIMATED INFILTRATION ON DISTURBERD AREAS, ESTIMATED SELENIUM LOADING TO WELLS FORMATION AND SPRINGS COMPLEX

DATE: APRIL 2016
BY: PHT FOR: ACK

FORMATION ENVIRONMENTAL







### J.R. SIMPLOT COMPANY

SMOKY CANYON MINE RI/FS FEASIBILITY STUDY TECH MEMO #1

FIGURE 2-9

POTENTIAL SELENIUM CONCENTRATION IN GROUNDWATER AT THE NORTHERN LEASE BOUNDARY

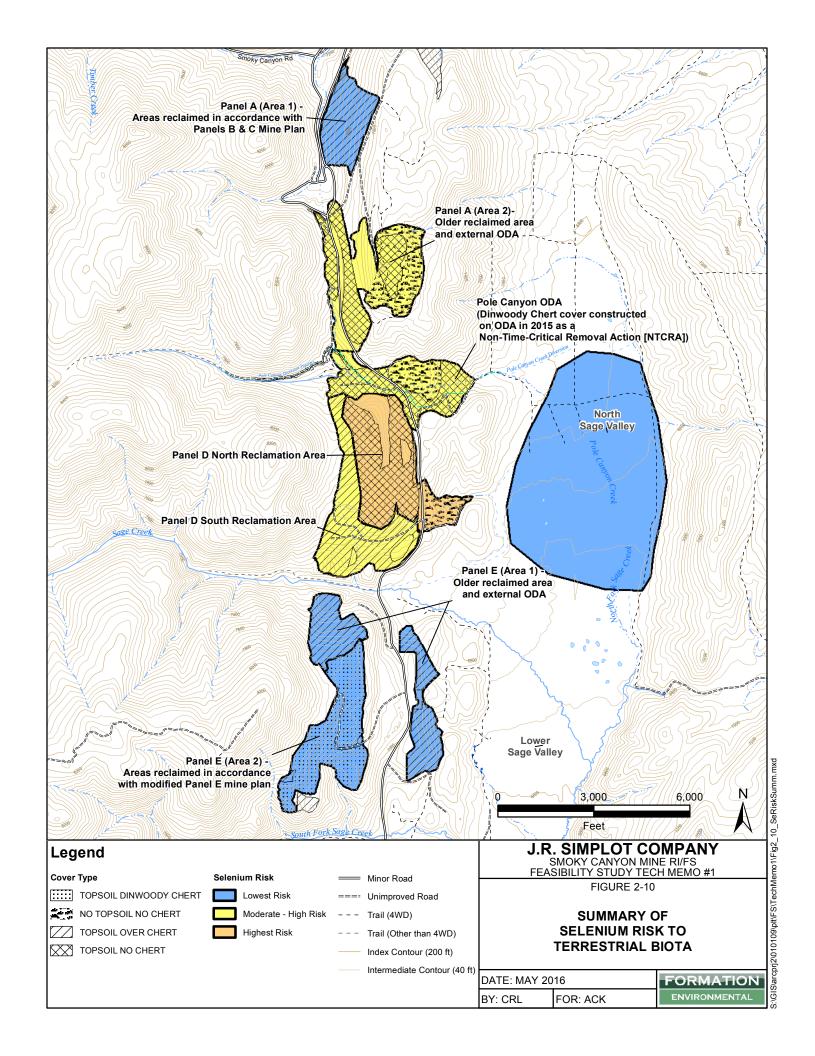
**DATE: MAY 2016** 

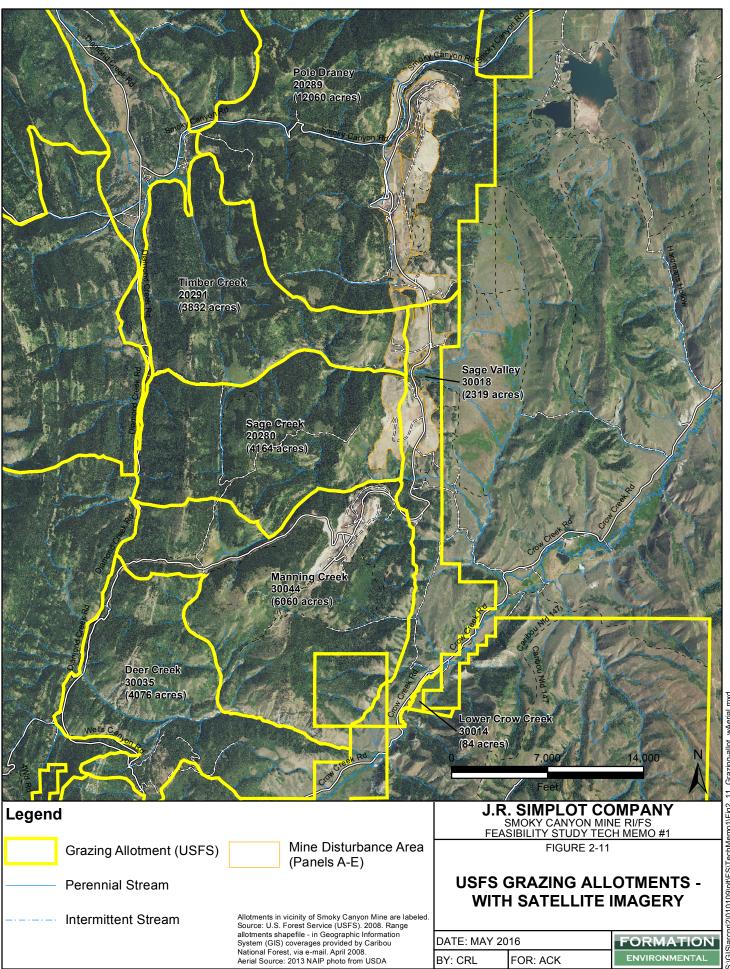
BY: PHT

FOR: ACK

FORMATION ENVIRONMENTAL

S:\JOBS\0442-004-900-SIMPLOT-SMOKY\RIFS\RI\_REPORT\REVDRAFT\FIGS\APPH\FIGH\_5-37\_PREDCONCENTRATION.PPTX

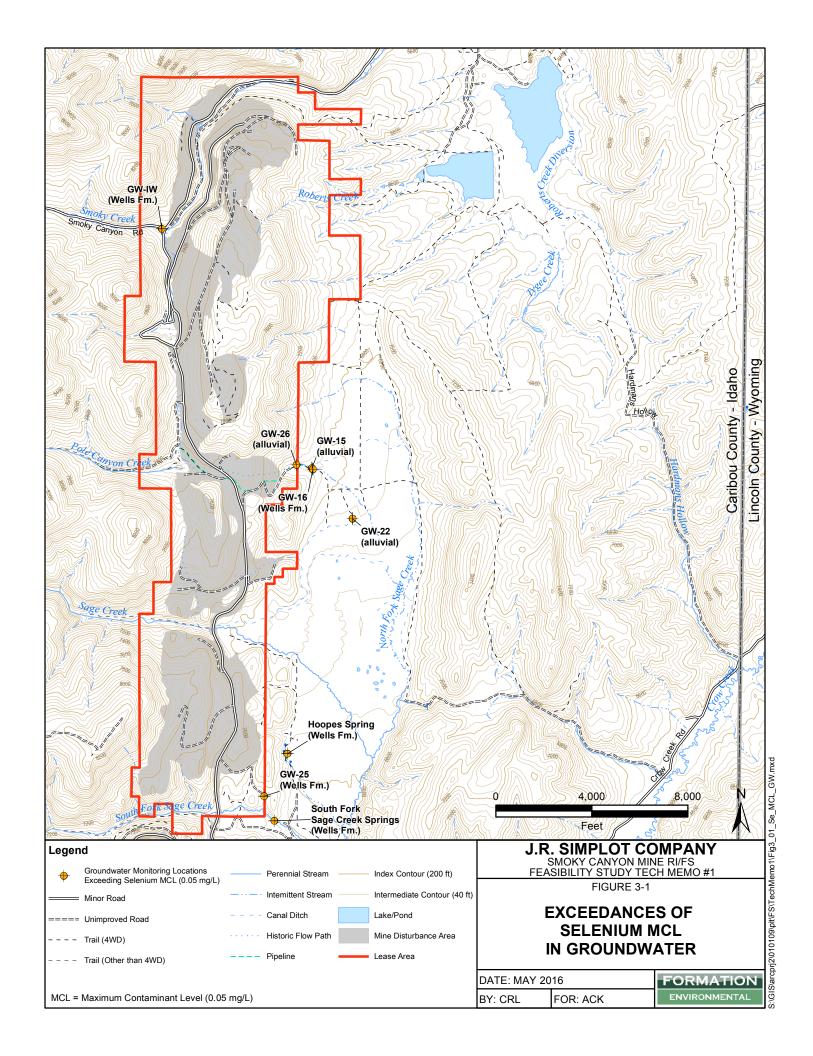


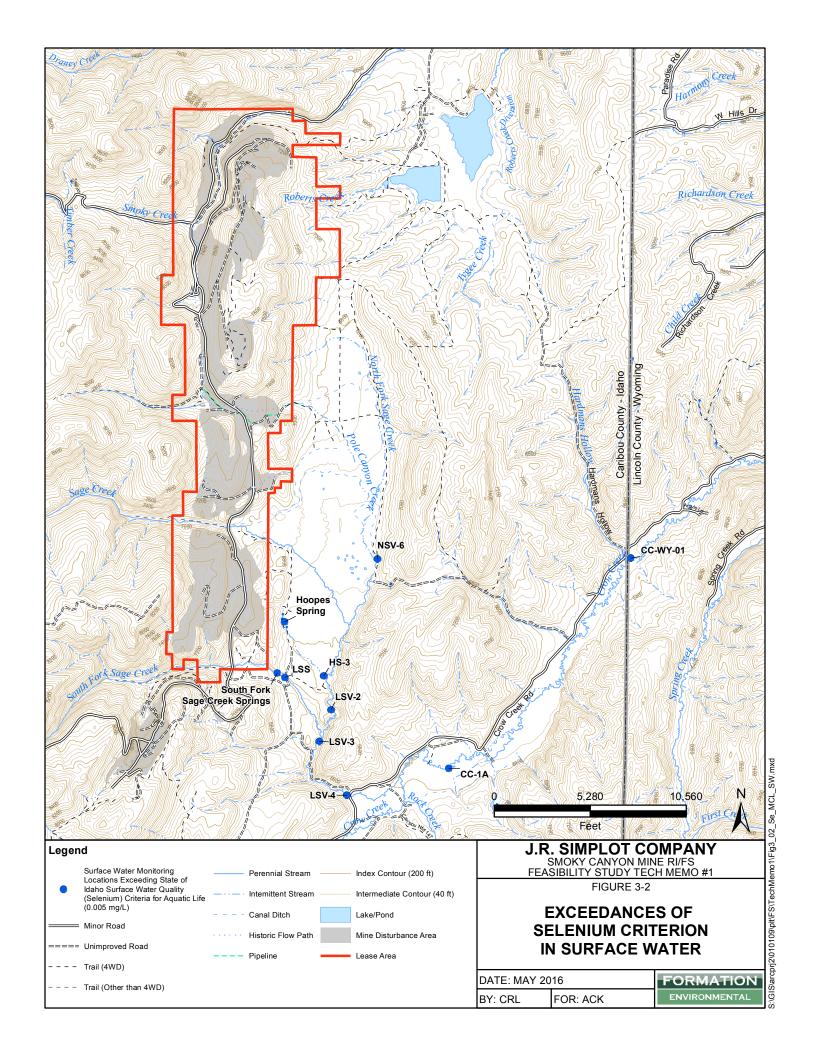


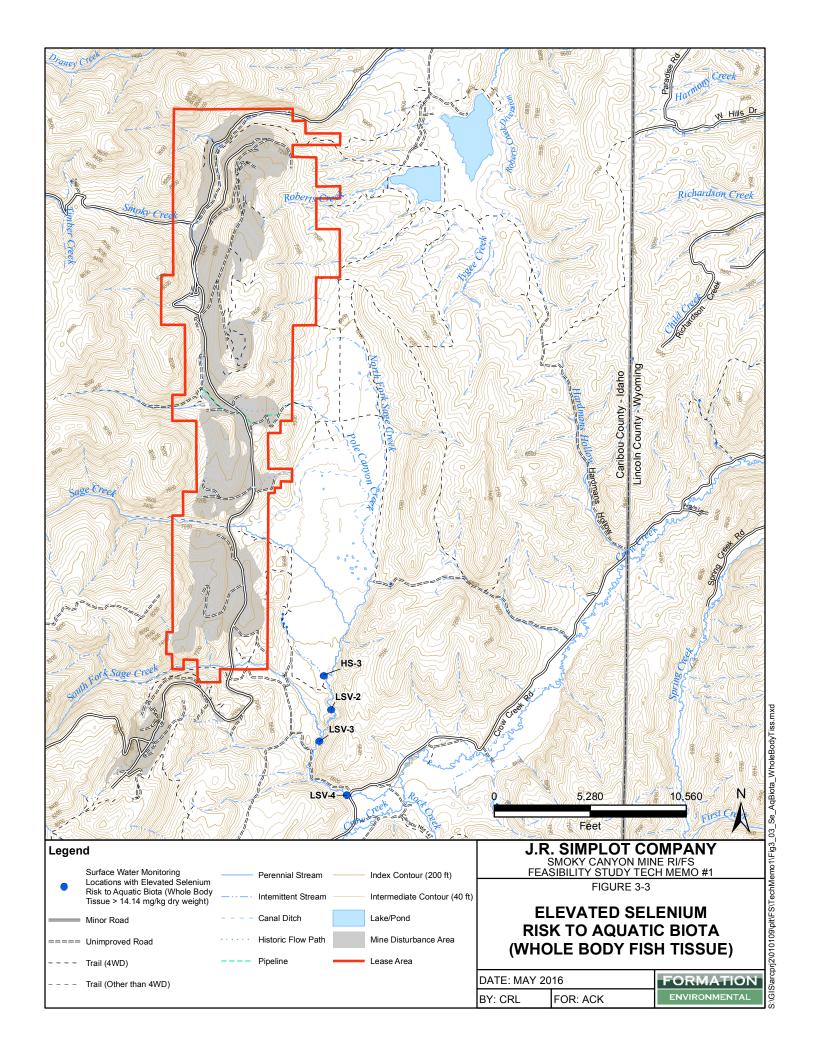
ENVIRONMENTAL

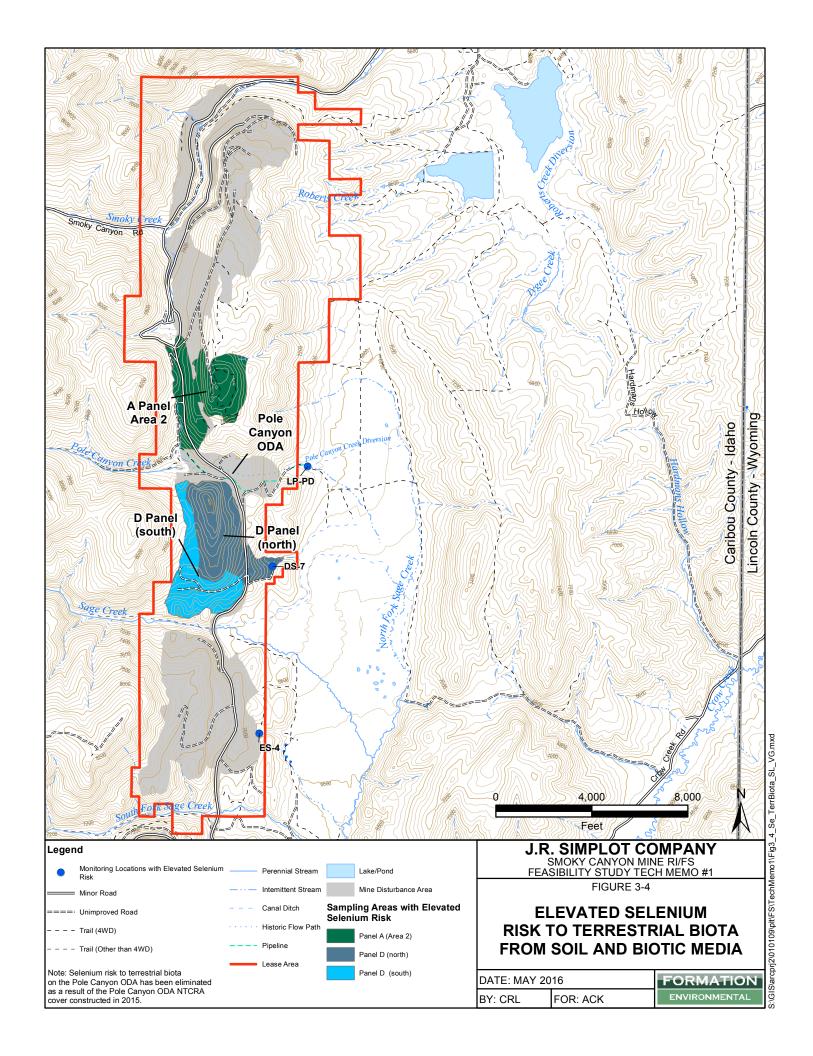
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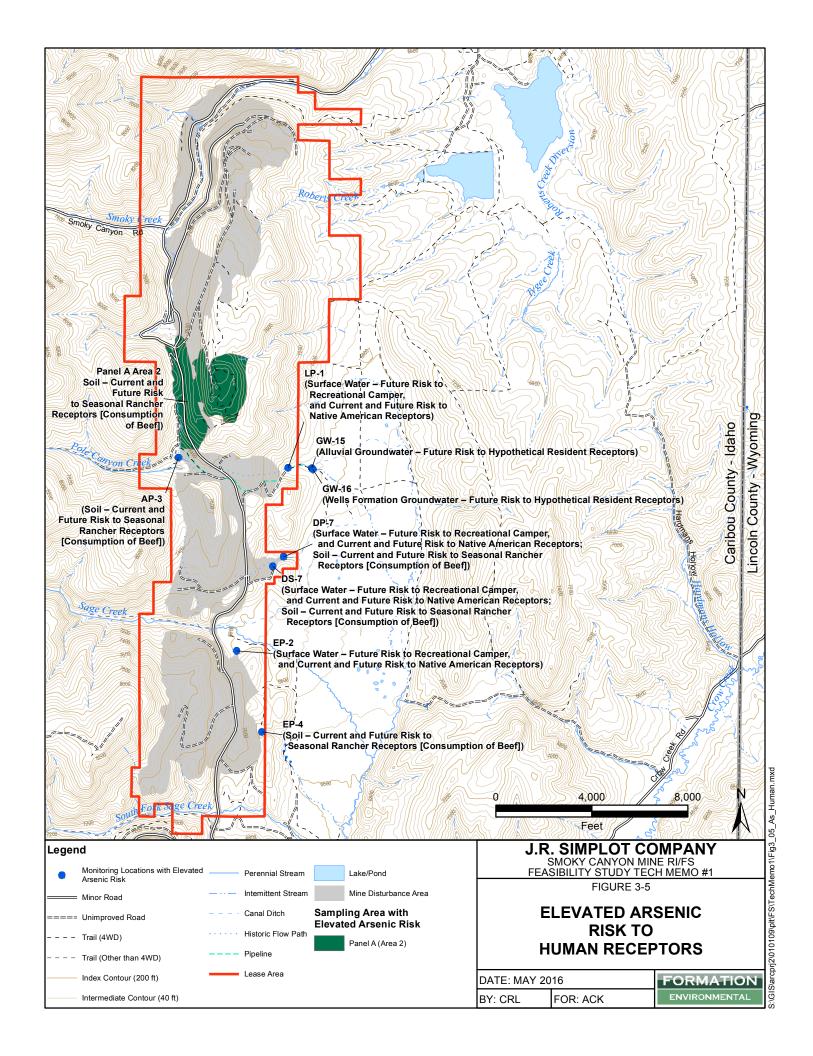
BY: CRL

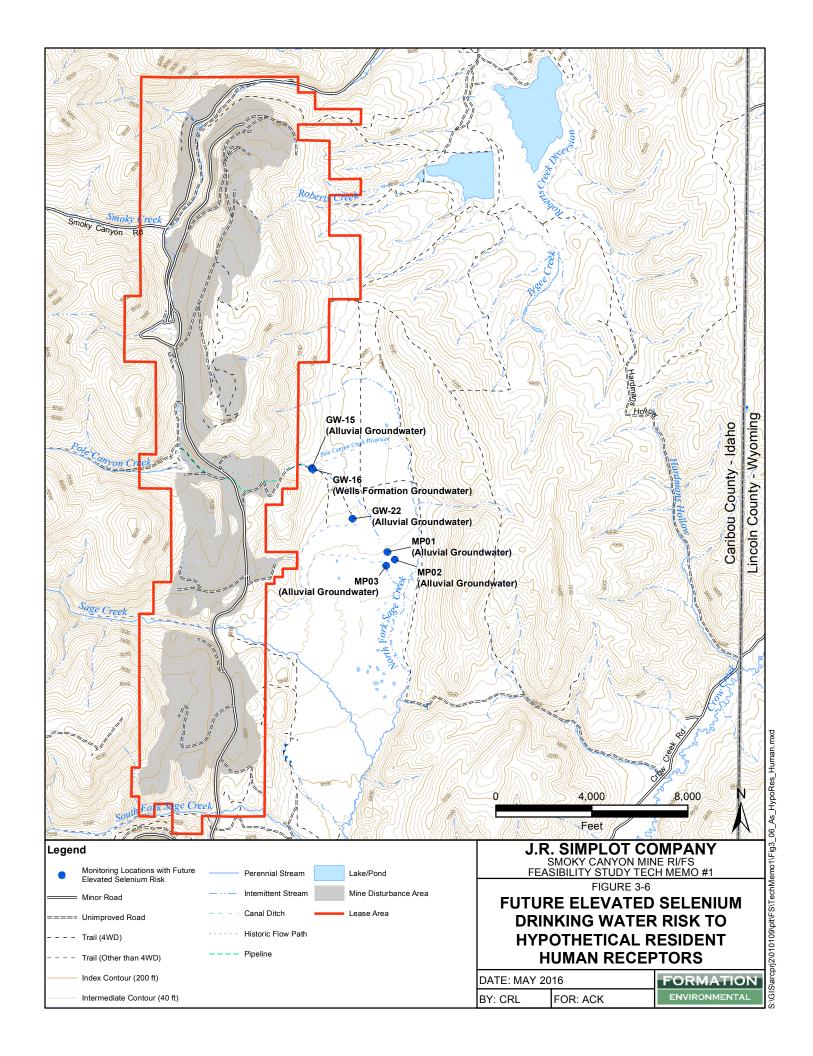


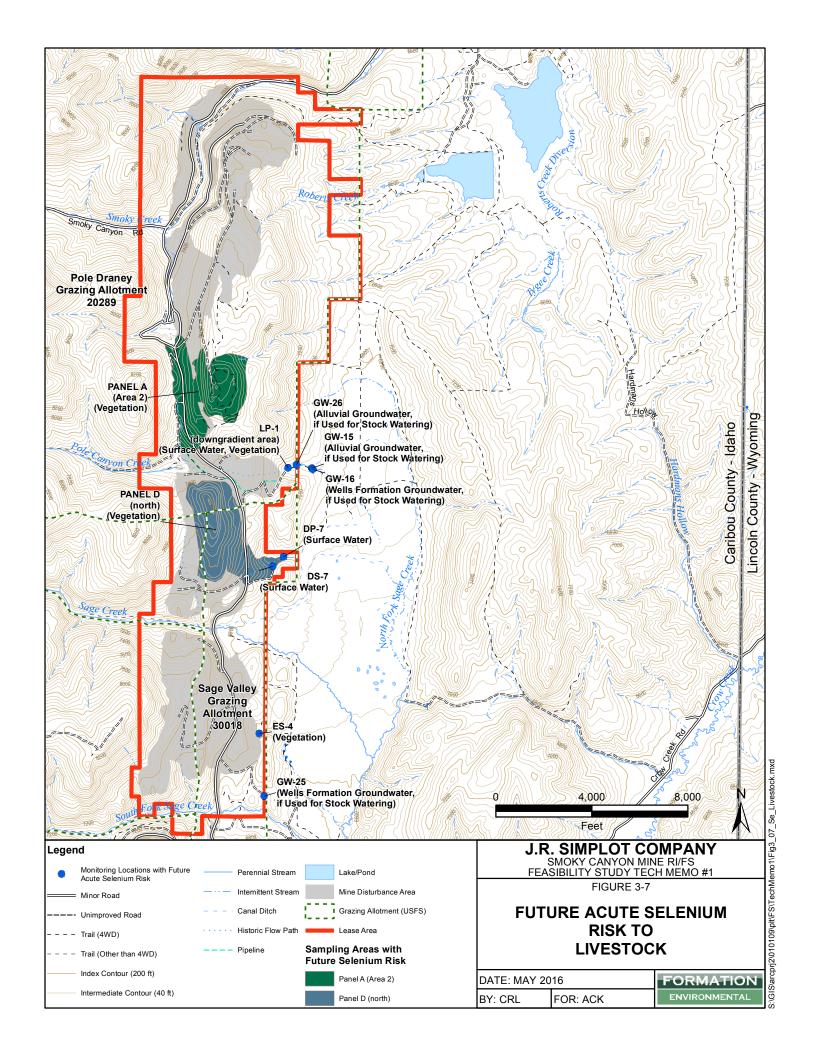


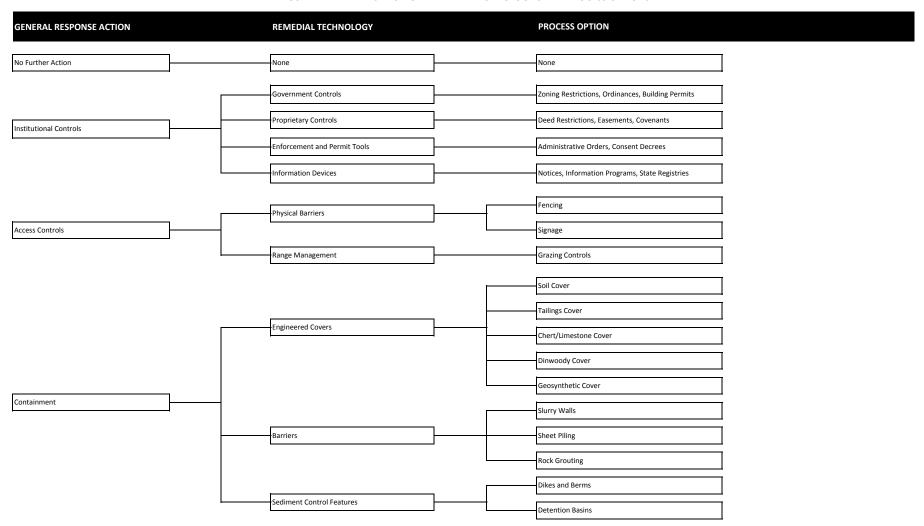


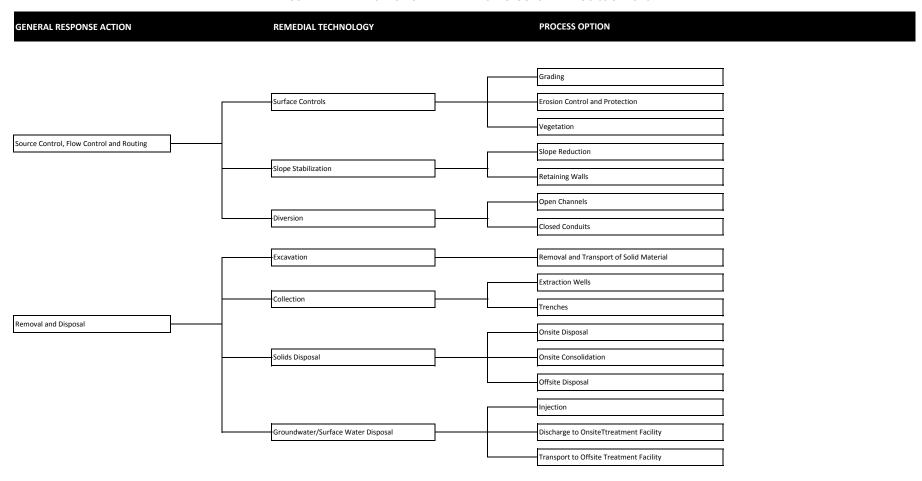


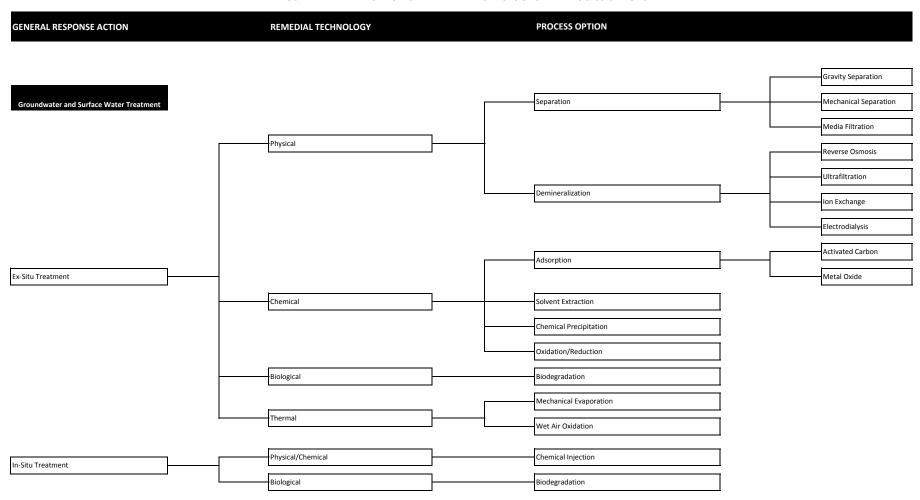


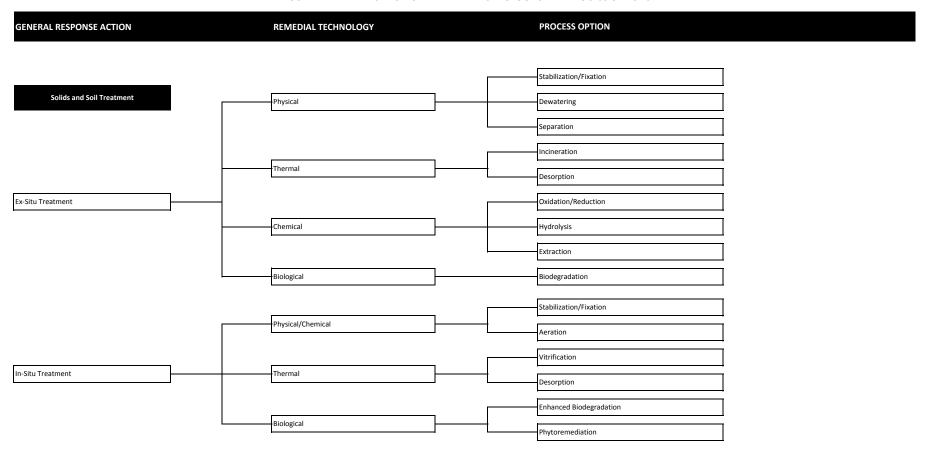


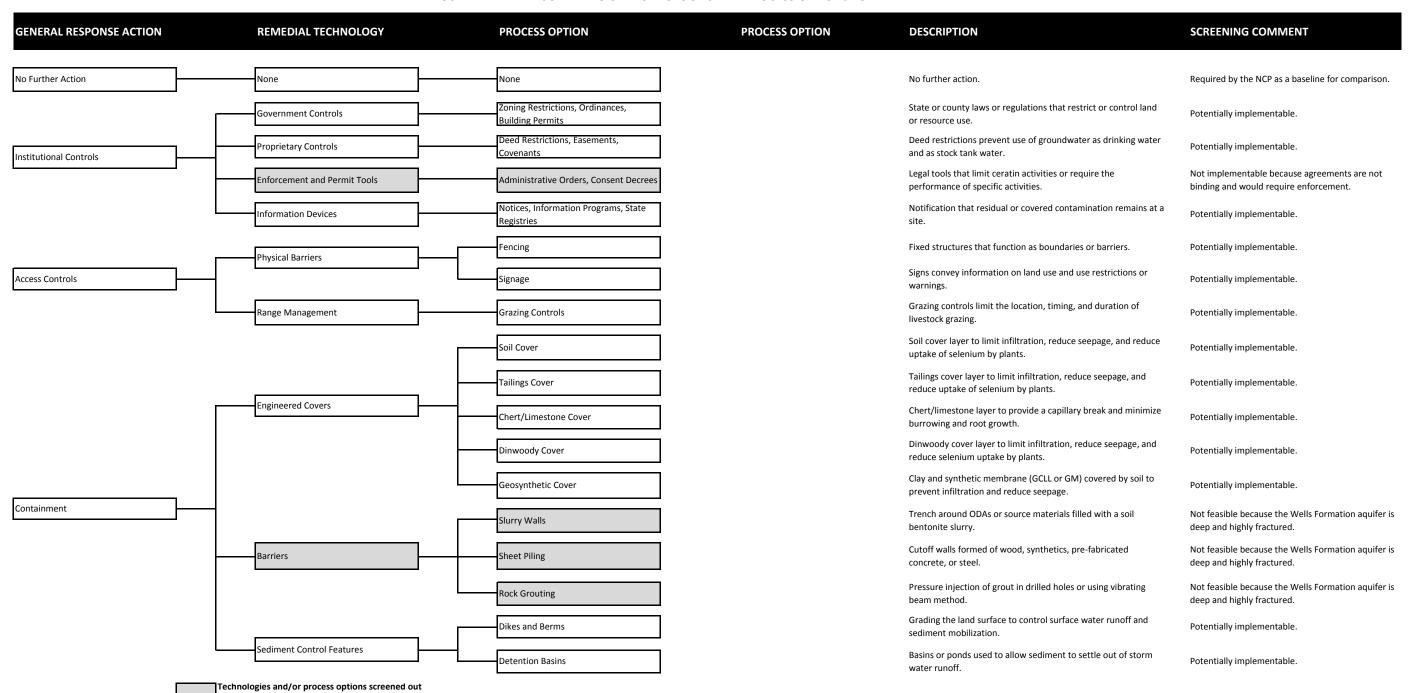


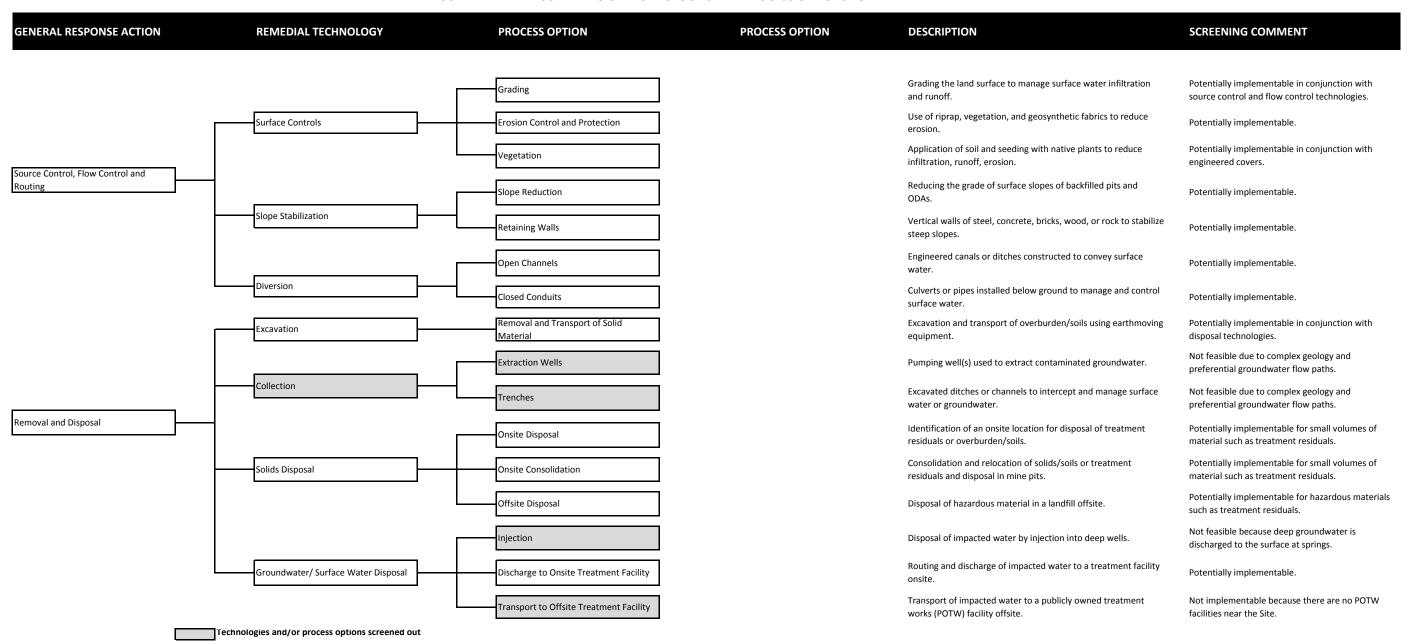


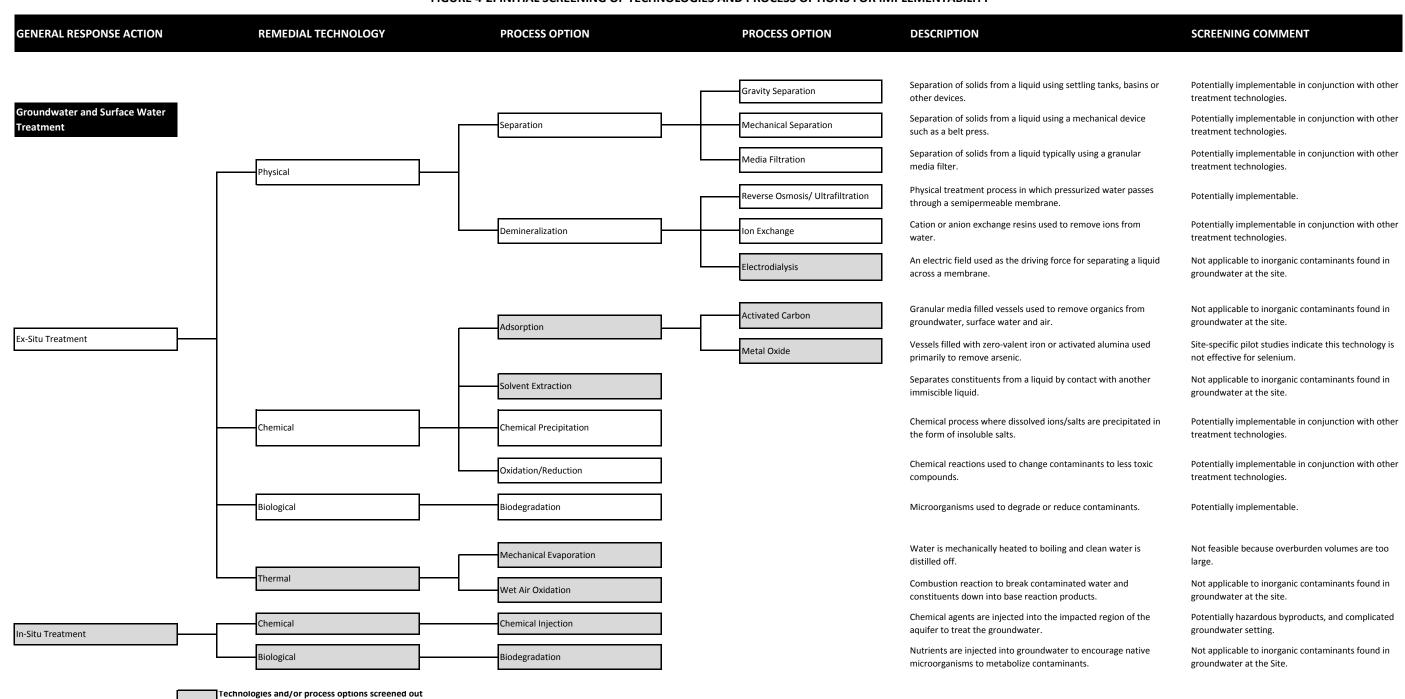


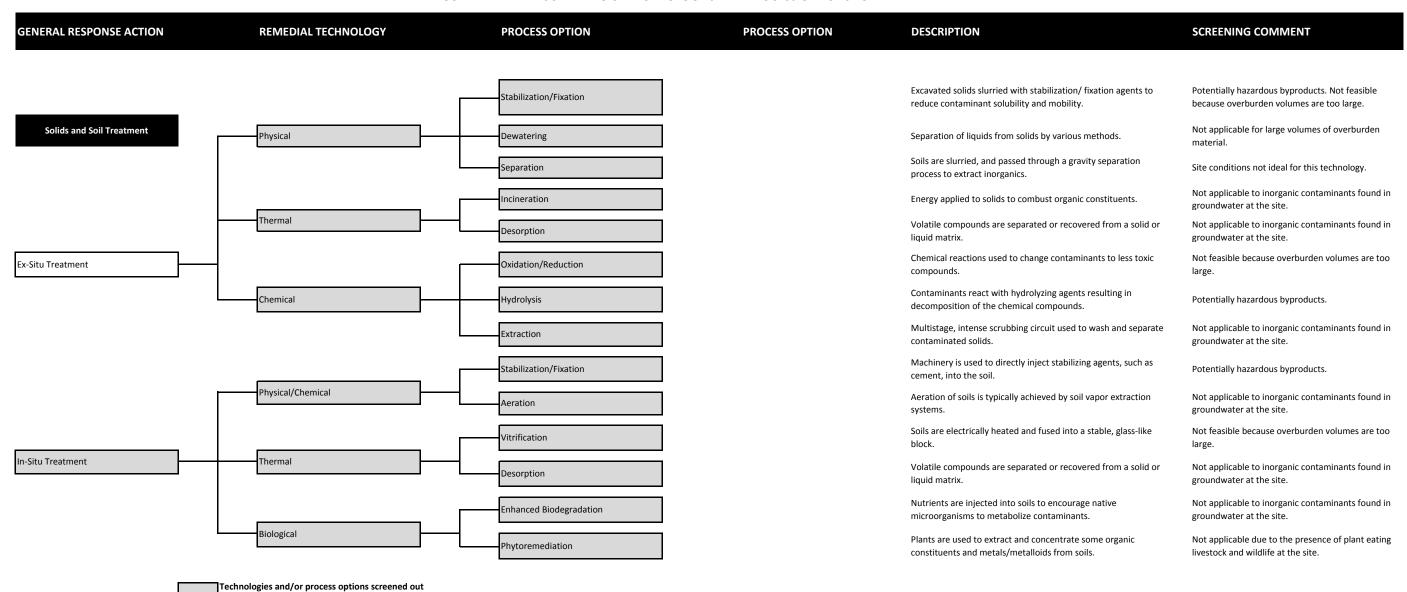




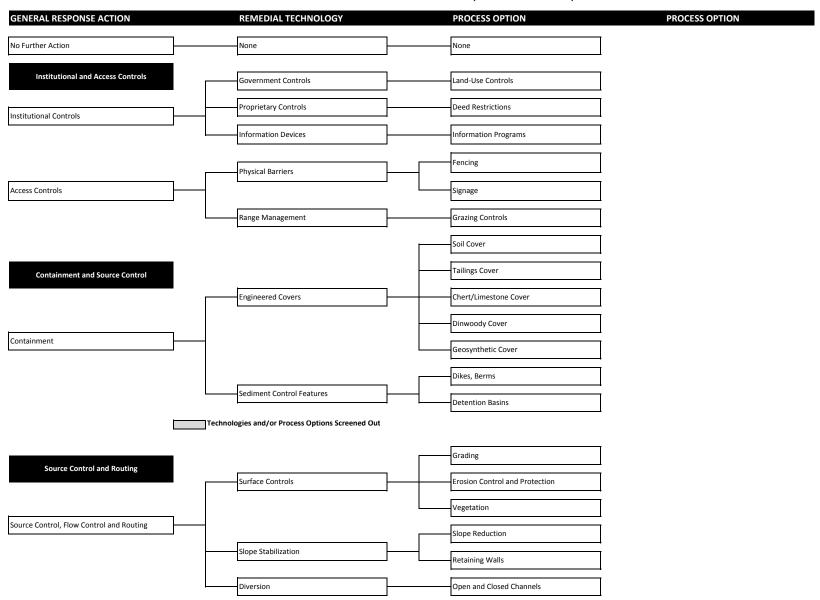








#### FIGURE 4-3. EVALUATION OF PROCESS OPTIONS FOR EFFECTIVENESS, IMPLEMENTABILITY, AND RELATIVE COST



#### FIGURE 4-3. EVALUATION OF PROCESS OPTIONS FOR EFFECTIVENESS, IMPLEMENTABILITY, AND RELATIVE COST

